## We claim:

	1. A method for screen ing for a bioactive agent capable of binding to a cell cycle protein
	R0101, said method comprising:
5	a) combining a cell cycle protein R0101, and a candidate bioactive agent; and
· ·	,
a	b) determining the binding of said candidate bioactive agent to said cell cycle protein R0101. USEQ ID NOIL)
11	RO101 CEQ ID NOIS
	2. A method for screening for a bioactive agent capable of interfering with the binding of a cell
a l	cycle protein R0101 and a PCNA protein, said method comprising:
<i>a</i> 10	a) combining a cell cycle protein R0101, a candidate bioactive agent and a PCNA protein;
	and \ 1
<i>α</i> .	(SEVID 1002)
~	b) determining the binding of said cell cycle protein R0101 and said PCNA protein.
	(SEQ IDNO:2)
a	3. A method according to Claim 2, wherein said cell cycle protein R0101 and said PCNA
	protein are combined first.
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15	4. A method for screening for a bioactive agent capable of modulating the activity of cell cycle
a	protein R0101, said method comprising:
	a) adding a candidate bioactive agent to a cell comprising a recombinant nucleic acid
	encoding a cell cycle protein R0101; and
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	b) determining the effect of said candidate bioactive agent on said cell.
20	5. A method according to Claim 4, wherein a library of candidate bioactive agents is added to
a	a plurality of cells comprising a recombinant nucleic acid encoding a cell cycle protein R0101.
	(SEQ ID NO:2)
a	6. An antibody to a cell cycle protein R0101.
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	The antihady of Claim 6 whorein said antihady is a managland antihady
	7. The antibody of Claim 6 wherein said antibody is a monoclonal antibody.
	8. The antibody of Claim 6 wherein said antibody reduces or eliminates the biological function
a 25	of said cell cycle protein R0101. (SEQ ±0 N0:2)
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	9. A method of diagnosing cancer in an individual, said method comprising determining the
a	level of expression of R0101 in a sample taken from an individual and comparing said level to a
-	control which has a level which indicates there is no cancer, wherein an increase in said sample
	compared to said control indicates a diagnoses of cancer.

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